

Docket No.: 449122086300  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Thomas BIERHOFF

Application No.: PCT/EP2004/051590

Confirmation No.: Not Yet Assigned

Filed: January 24, 2006

Art Unit: Not Yet Assigned

For: RAY TRACING IN DISCONTINUOUS  
MULTIMODE CHANNEL WAVEGUIDES

Examiner: Not Yet Assigned

**FIRST PRELIMINARY AMENDMENT**

MS PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**INTRODUCTORY COMMENTS**

Prior to examination on the merits, Applicant respectfully requests entry on this Preliminary Amendment for the above-captioned patent application.

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** begin on page 3 of this paper.

**Remarks/Arguments** begin on page 6 of this paper.